

57. In an appliance capable of using digital versatile disks, a method including the following steps:

at least one of (a) reading information from, and (b) writing information to, a digital versatile disk optical storage medium; and

selecting at least some control information associated with information recorded on the storage medium based at least in part on the class of the appliance and/or the user of the appliance.

58. An electronic appliance including:

a disk use arrangement for reading information from a digital versatile disk optical storage medium; and

at least one processing arrangement coupled to the disk use arrangement, the processing arrangement protecting information read from the storage medium.

59. In an electronic appliance, a method including the following steps:

reading information from a digital versatile disk optical storage medium; and protecting the information read from the optical storage medium.

60. An electronic appliance including:

a disk use arrangement for using information stored, or to be stored, on a digital versatile disk optical storage medium; and

at least one rights management arrangement coupled to the disk use arrangement, the rights management arrangement treating the storage medium and/or information obtained from the storage medium differently depending on the geographical and/or jurisdictional context of the appliance.

61. In an electronic appliance, a method including the steps of:

reading information from at least one digital versatile disk; and

performing at least one rights management operation based at least in part on the geographical and/or jurisdictional context of the appliance.

62. An electronic appliance including:

a disk use arrangement for using at least one secure container stored on a digital versatile disk optical storage medium; and

at least one rights management arrangement coupled to the disk use arrangement, the rights management arrangement processing the secure container.

63. In an electronic appliance, a method including the following steps:  
reading at least one secure container from at least one digital versatile disk; and  
performing at least one rights management operation on the secure container.

64. An electronic appliance including:  
at least one rights management arrangement for generating and/or modifying at least one secure container for storage onto a digital versatile disk optical storage medium.

65. In an electronic appliance, a method including the step of performing at least one rights management operation on at least one secure container for storage onto a digital versatile disk optical storage medium.

66. A digital versatile disk use system and/or method characterized in that the system and/or method uses at least one secure container.

67. An electronic appliance including:  
a disk use arrangement for writing information onto and/or reading information from a digital versatile disk optical storage medium; and  
a secure arrangement that securely manages information on the storage medium such that at least a first portion of the information may be used on at least a first class of appliance while at least a second portion of the information may be used on at least a second class of appliance.

68. In an electronic appliance, a method including the following steps:  
reading information from and/or writing information to at least one digital versatile disk optical storage medium;

using at least a first portion of the information on at least a first class of appliance; and

using at least a second portion of the information on at least a second class of appliance.

69. A system including first and second classes of electronic appliances each including a secure processing arrangement, the first appliance class secure arrangement securely managing and/or using at least a first portion of the information, the second appliance class secure arrangement securely managing and/or using at least a second portion of the information.

B1  
70. In a system including first and second classes of electronic appliances each including a secure arrangement, a method comprising:

(a) securely managing and/or using at least a first portion of the information with the first appliance class secure arrangement, and

(b) securely managing and/or using at least a second portion of the information with the second appliance class secure arrangement.

71. An electronic appliance including:

a disk use arrangement for writing information onto and/or reading information from a digital versatile disk optical storage medium; and

a secure arrangement that securely stores and/or transmits information associated with at least one of payment, auditing, controlling and/or otherwise managing content recorded on the storage medium.

72. In an electronic appliance, a method including the following steps:

reading information from and/or writing information to at least one digital versatile disk optical storage medium; and

securely storing and/or transmitting information associated with at least one of payment, auditing, controlling and/or otherwise managing content recorded on the storage medium.

73. An electronic appliance including:

a disk use arrangement for writing information onto and/or reading information from a digital versatile disk optical storage medium;

a cryptographic engine coupled to the disk use arrangement, the engine using at least one cryptographic key; and

a secure arrangement that securely updates and/or replaces at least one cryptographic key used by the cryptographic engine to at least in part modify the scope of information usable by the appliance.

74. A method of operating an electronic appliance including:

writing information onto and/or reading information from a digital versatile disk optical storage medium;

using at least one cryptographic key in conjunction with said information; and  
securely updating and/or replacing at least one cryptographic key used by the cryptographic engine key used by the cryptographic engine to at least in part modify the scope of information useable by the appliance.

75. A digital versatile disk appliance characterized in that at least one cryptographic key used by the appliance is securely updated and/or replaced to at least in part modify the scope of information that can be used by the appliance.

76. An electronic appliance having a class associated therewith, characterized in that at least one cryptographic key set used by the appliance class is selected to help ensure security of information released from at least one digital versatile disk.

77. In an electronic appliance including a disk use arrangement, a method comprising:

reading information from at least one digital versatile disk optical storage medium; and

persistently protecting at least some of the read information through at least one subsequent editing and/or production process.

78. In an electronic appliance, a method including the following steps:

reading information from and/or writing information to at least one digital versatile disk optical storage medium; and

securely managing information on the storage medium, including the step of using at least a first portion of the information on at least a first class of appliance, and using at least a second portion of the information on at least a second class of appliance.

79. A method of providing copy protection and/or use rights management of at least one digital property content and/or secure container to be stored and/or distributed on a digital versatile disk medium, comprising the step(s) of:

providing a set of use control(s) within a cryptographically encapsulated data structure having a predetermined format, the data structure format defining at least one secure software container for providing use rights information for digital property content to be stored on the digital versatile disk medium.

80. An arrangement for implementing a rights management system for controlling copy protection, use and/or distribution rights to multi-media digital property content stored or otherwise contained on a digital versatile disk, comprising:

an encrypted data structure defining a secure information container stored on an optical disk medium, the encrypted data structure including and/or referencing at least one content object and at least one control object associated with the content object, said content object comprising digital property content and said control object comprising rules defining use rights to the digital property content.

81. A rights management system for providing copy protection, use and/or distribution rights management for multimedia digital property content stored or otherwise contained on a digital versatile disk for access by an optical disk player device that uses digital property content stored on said optical disk medium, wherein said appliance includes a microprocessor controller for decrypting and using control rules and other selected encrypted information content encapsulated in the secure container by using a prescribed cryptographic key and applying said decrypted control rules to regulate use in accordance with control information contained within said control rules, so as to facilitate management of a diverse set of use and/or distribution

rights which may be specific to different users and/or optical disk appliances, the system including:

an optical disk medium having stored thereon an encrypted data structure defining a secure information container, the encrypted data structure comprising and/or referencing at least one content object and at least one control object, said content object comprising digital property content, said control object comprising rules defining use rights associated with the digital property.

82. A method for providing copy protection, use and distribution rights management of multi-media digital property stored on and/or distributed via digital versatile disk, said optical disk medium having stored thereon an encrypted data structure defining a secure container for housing rights and/or copy protection information pertaining to digital property content stored on the optical disk, wherein an optical disk player appliance for using digital property content stored on an optical disk must utilize a prescribed secure cryptographic key or set of keys to use the secure container, said data structure comprising one or more content objects comprising digital property content and one or more control objects comprising a set of rules defining use right to digital property, comprising the steps of:

(a) decrypting control rules and other selected encrypted information content encapsulated in the secure container using one or more cryptographic keys; and

(b) applying decrypted control rules to regulate use and/or distribution of digital property content stored on the optical disk in accordance with control information contained within the control rules, so as to provide customized use and/or distribution rights that are specific to different optical disk user platforms and/or optical disk appliances.

83. A rights management system for providing copy protection, use and/or distribution rights management of digital property stored or otherwise contained on a digital versatile disk, comprising:

a secure container means provided on an optical disk medium for cryptographically encapsulating digital property content stored on the optical disk, said container means comprising a content object means for containing digital



property content and a control object means for containing control rules for regulating use and/or distribution of said digital property content stored on the optical disk.

84. In a system including plural electronic appliances at least temporarily connected to one another, a rights authority broker that determines what appliances are connected and specifies at least one rights management context depending on said determination.

85. An electronic appliance at least temporarily connected to a rights authority broker, the electronic appliance receiving at least one rights context from the rights authority broker when the device is connected to the rights authority broker.

86. A method of defining at least one rights management context comprising:  
(a) determining whether a first electronic appliance is present; and  
(b) defining at least one rights management control set based at least in part on the determining step (a).

87. A method of defining at least one rights management context including:  
(a) coupling an optical disk storing information to an electronic appliance that can be selectively connected to a rights management broker;  
(b) determining whether the electronic appliance is currently coupled to a rights management broker; and  
(c) conditioning at least one aspect of use of at least some of the information stored on the optical disk based on whether the electronic appliance is coupled to the rights management broker.

88. An electronic appliance including:  
an optical disk reading and/or writing arrangement;  
a secure node coupled to the optical disk reading and/or writing arrangement,  
the secure node performing at least one rights management related function with respect to at least some information read by the optical disk reading and/or writing arrangement; and

at least one serial bus port coupled to the secure node, the serial bus port for providing any or all of the functions, structures, protocols and/or methods of IEEE 1394-1995.

89. A digital versatile disk appliance including:  
means for watermarking content; and  
serial bus means for communicating the watermarked content,  
wherein the serial bus means complies with IEEE 1394-1995.
90. An optical disk reading and/or writing device including:  
at least one secure node capable of watermarking content and/or processing  
watermarked content; and  
an IEEE 1394-1995 serial bus port.
91. An optical disk using system and/or method including at least some of the  
elements shown in FIG. 1.
92. An optical disk using system and/or method using at least some of the  
elements shown in FIG. 17.
93. An optical disk using system and/or method using at least some of the control  
set elements shown in FIG. 8a.
94. An optical disk using system and/or method using at least some of the  
elements shown in FIG. 15.



95. In a network including at least one electronic appliance that reads information from and/or writes information to at least one digital versatile disk optical storage medium, and securely communicates information associated with at least one of payment, auditing, usage, access, controlling and/or otherwise managing content recorded on the storage medium, a method of processing said communicated information including the step of generating at least one payment request and/or order based at least in part on the information.

B1  
control